Appendix A

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application.

Listing of Claims:

- 1 27 (Canceled)
- 28. (Currently amended) An integral ceramic filter assembly produced by adhering with a ceramic seal layer outer surfaces of a plurality of filters, each of which is formed from a sintered porous ceramic body α -type silicon carbide, wherein the seal layer has a thickness of 0.3 to 3 mm and a thermal conductance of 0.1 to 10 W/mk.
- 29. (Previously presented) The ceramic filter assembly according to claim 28, wherein the filter has an average porosity of 30 to 70%.
- 30. (Previously presented) The ceramic filter assembly according to claim 28, wherein the filter has a thermal conductance of 20 to 80 W/mk.
- 31. (Previously presented) The ceramic filter assembly according to claim 28, wherein the filter has a thermal

conductance of 20 to 80 W/mk and an average porosity of 30 to 70%.

- 32. (Previously presented) The ceramic filter assembly according to claim 28, wherein the seal layer includes 3 to 80 wt% of inorganic grains.
- 33. (Previously presented) The ceramic filter assembly according to claim 28, wherein the assembly is a diesel particulate filter.
 - 34. (Cancelled)
- 35. (Previously presented) The ceramic filter assembly according to claim 28, wherein the filter has a plurality of cells, and each cell has an outer surface which carries at least one oxide catalyst selected from a platinum group element, other metal elements and oxides of these metal elements.
- 36. (Previously presented) The ceramic filter assembly according to claim 28, wherein the assembly has an outer form in a round cross-section or oval cross-section

- 37. (Previously presented) An exhaust gas purification apparatus having the ceramic filter assembly according to claim 28 arranged in a casing that is located in an exhaust gas passage of an internal combustion engine.
- 38. (Currently amended) An integral ceramic filter assembly produced by adhering with a ceramic seal layer outer surfaces of a plurality of elongated honeycomb filters, each of which is formed from a sintered porous ceramic body α -type silicon carbide, wherein a ratio L/S between a filter length L in a flow direction of a processed fluid and a filter cross-section S in a direction perpendicular to the flow direction is 0.06 to 0.75 mm/mm².
- 39. (Previously presented) The ceramic filter assembly according to claim 38, wherein the filter length is 167 to 300 mm.
- 40. (Previously presented) The ceramic filter assembly according to claim 38, wherein the assembly is a diesel particulate filter.
- 41. (Previously presented) The ceramic filter assembly according to claim 38, wherein the filter is formed from a sintered porous silicon carbide body.

- 42. (Previously presented) The ceramic filter assembly according to claim 38, wherein the filters are offset from one another in a direction perpendicular to a filter axial direction.
- 43. (Previously presented) The ceramic filter assembly according to claim 38, wherein the filter has a plurality of cells, and each cell has an outer surface which carries at least one oxide catalyst selected from a platinum group element, other metal elements and oxides of these metal elements.
- 44. (Previously presented) An exhaust gas purification apparatus having the ceramic filter assembly according to claim 38 arranged in a casing that is located in an exhaust gas passage of an internal combustion engine.
- 45. (Currently amended) An elongated honeycomb filter formed from a sintered porous ceramic body α-type silicon carbide, the honeycomb filter having a ratio L/S between a filter length L in a flow direction of a processed fluid and a filter cross-section S in a direction perpendicular to the flow direction is 0.06 to 0.75 mm/mm².

- 46. (Previously presented) The ceramic filter assembly according to claim 45, wherein the filter has a plurality of cells, and each cell has an outer surface which carries at least one oxide catalyst selected from a platinum group element, other metal elements and oxides of these metal elements.
- 47. (Previously presented) The ceramic filter assembly according to claim 45, wherein the form of the filter is a triangular pole-like shape or a hexagonal pole-like shape.
- 48. (Previously presented) The ceramic filter assembly according to claim 45, wherein the filter length is 167 to 300 mm.
- 49. (Previously presented) An exhaust gas purification apparatus having the ceramic filter assembly according to claim 45 arranged in a casing that is located in an exhaust gas passage of an internal combustion engine.
- 50. (Currently amended) A honeycomb filter formed from a sintered porous ceramic body silicon carbide having impurities of less than 5 wt%, wherein the average pore diameter of the honeycomb filter is 5 to 15µm, the average

porosity is 30 to 50%, and the honeycomb filter has 20% or more of through pores.

- 51. (Previously presented) The honeycomb filter according to claim 50 comprising a plurality of cells including a first cell having a first end surface sealed by a sealing body and a second cell adjacent to the first cell, the second cell having a second end surface that is opposite to the first surface, the second end surface being sealed by a sealing body, wherein the cell number per square inch is 120 or more, and the thickness of a cell wall defining the cells is 0.46mm or less.
- 52. (Previously presented) The honeycomb filter according to claim 50, wherein the sintered porous ceramic body is one selected from silicon carbide, silicon nitride, sialon, alumina, cordierite and mullite.
- 53. (Previously presented) The honeycomb filter according to claim 50, wherein the filter has a plurality of cells, and each cell has an outer surface which carries at least one oxide catalyst selected from a platinum group element, other metal elements and oxides of these metal elements.

54. (Cancelled)

- 55. (Previously presented) The honeycomb filter according to claim 50, wherein the impurities of the silicon carbide is Al, Fe, O or free C.
- 56. (Previously presented) The honeycomb filter according to claim 50, wherein the total volume of the filter is 1/4 to 2 times the total displacement of an internal combustion engine.
- 57. (Previously presented) An exhaust gas purification apparatus having the honeycomb filter according to claim 50 arranged in a casing that is located in an exhaust gas passage of an internal combustion engine.
- 58. (Currently amended) A honeycomb filter for purifying a high temperature exhaust gas, the filter having a plurality of cells where each cell is defined by a cell wall, and purifying fluid including particulates with the cell wall, wherein the specific surface area of grains forming the cell wall is 0.1 m²/g or more.
- 59. (Previously presented) The honeycomb filter according to claim 58, wherein the cell wall is formed from a sintered silicon carbide body.

- 60. (Previously presented) The honeycomb filter according to claim 58, wherein the cell wall is formed from a porous body.
- 61. (Previously presented) The honeycomb filter according to claim 58, wherein the filter has a plurality of cells, and each cell has an outer surface which carries at least one oxide catalyst selected from a platinum group element, other metal elements and oxides of these metal elements.
- 62. (Previously presented) The honeycomb filter according to claim 58, wherein the average pore diameter of the honeycomb filter is 1 to $50\mu m$.
- 63. (Previously presented) The honeycomb filter according to claim 58, wherein the average porosity of the honeycomb filter is 30 to 70%.
- 64. (Previously presented) The honeycomb filter according to claim 58, wherein the cell density is 120/inch² or greater.
- 65. (Previously presented) The honeycomb filter according to claim 58, wherein the thickness of the cell wall is 0.46mm or less.

- 66. (Previously presented) The honeycomb filter according to claim 58, wherein the honeycomb filter has 20 % or more of through pores.
- 67. (Previously presented) The honeycomb filter according to claim 58, wherein a specific surface area of the grains forming the cell wall of the honeycomb filter is 0.1 to 1.0 $$\rm{m}^2/\rm{g}.$$
- 68. (Previously presented) The honeycomb filter according to claim 58, wherein a specific surface area of the grains forming the cell wall of the honeycomb filter is 0.3 to 0.8 $$\rm{m}^2/\rm{g}.$$
- 69. (Previously presented) An exhaust gas purification apparatus having the honeycomb filter according to claim 58 arranged in a casing that is located in an exhaust gas passage of an internal combustion engine.
- 70. (New) An integral ceramic filter assembly having an axial direction and comprised of a plurality of filters, each filter having an outer surface, and comprised of a ceramic seal layer that adheres the outer filter surfaces to each other thereby so as to produce said integral assembly, said filters being offset from each other in a direction

perpendicular to said filter assembly axial direction, and said seal layer has a thickness of 0.3 mm to 3 mm and a thermal conductance of 0.1 W/mK to 10 W/mK.